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* * * * * Welcome to STN International * * * * *

| | | |
|--------------|---------|---|
| NEWS 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS 2 | | "Ask CAS" for self-help around the clock |
| NEWS 3 | Feb 24 | PCTGEN now available on STN |
| NEWS 4 | Feb 24 | TEMA now available on STN |
| NEWS 5 | Feb 26 | NTIS now allows simultaneous left and right truncation |
| NEWS 6 | Feb 26 | PCTFULL now contains images |
| NEWS 7 | Mar 04 | SDI PACKAGE for monthly delivery of multifile SDI results |
| NEWS 8 | Mar 24 | PATDPAFULL now available on STN |
| NEWS 9 | Mar 24 | Additional information for trade-named substances without structures available in REGISTRY |
| NEWS 10 | Apr 11 | Display formats in DGENE enhanced |
| NEWS 11 | Apr 14 | MEDLINE Reload |
| NEWS 12 | Apr 17 | Polymer searching in REGISTRY enhanced |
| NEWS 13 | Jun 13 | Indexing from 1947 to 1956 added to records in CA/CAPLUS |
| NEWS 14 | Apr 21 | New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX |
| NEWS 15 | Apr 28 | RDISCLOSURE now available on STN |
| NEWS 16 | May 05 | Pharmacokinetic information and systematic chemical names added to PHAR |
| NEWS 17 | May 15 | MEDLINE file segment of TOXCENTER reloaded |
| NEWS 18 | May 15 | Supporter information for ENCOMPAT and ENCOMPLIT updated |
| NEWS 19 | May 19 | Simultaneous left and right truncation added to WSCA |
| NEWS 20 | May 19 | RAPRA enhanced with new search field, simultaneous left and right truncation |
| NEWS 21 | Jun 06 | Simultaneous left and right truncation added to CBNB |
| NEWS 22 | Jun 06 | PASCAL enhanced with additional data |
| NEWS 23 | Jun 20 | 2003 edition of the FSTA Thesaurus is now available |
| NEWS 24 | Jun 25 | HSDB has been reloaded |
| NEWS 25 | Jul 16 | Data from 1960-1976 added to RDISCLOSURE |
| NEWS 26 | Jul 21 | Identification of STN records implemented |
| NEWS 27 | Jul 21 | Polymer class term count added to REGISTRY |
| NEWS 28 | Jul 22 | INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available |
| NEWS EXPRESS | April 4 | CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003 |
| NEWS HOURS | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | General Internet Information |
| NEWS LOGIN | | Welcome Banner and News Items |
| NEWS PHONE | | Direct Dial and Telecommunication Network Access to STN |
| NEWS WWW | | CAS World Wide Web Site (general information) |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:35:05 ON 23 JUL 2003

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:35:10 ON 23 JUL 2003

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STRUCTURE FILE UPDATES: 22 JUL 2003 HIGHEST RN 552809-70-8

DICTIONARY FILE UPDATES: 22 JUL 2003 HIGHEST RN 552809-70-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2076 AND 1995 AND 2009

L1 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\10033769-elected.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> d

L3 HAS NO ANSWERS

L1 SCR 2076 AND 1995 AND 2009

L2 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L3 QUE ABB=ON PLU=ON L2 AND L1

<C

=> s l3

SAMPLE SEARCH INITIATED 09:35:33 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 32 TO ITERATE

100.0% PROCESSED 32 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 301 TO 979

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2 AND L1

=> s l3 full

FULL SEARCH INITIATED 09:35:39 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 559 TO ITERATE

100.0% PROCESSED 559 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

L5 6 SEA SSS FUL L2 AND L1

=> d lc 1-6

<C

Page 4

LS ANSWER 1 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

LS ANSWER 2 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

LS ANSWER 3 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

LS ANSWER 4 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

<C

Page 5

L5 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L5 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

<C

=> fil .search

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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158.44

FILE 'MEDLINE' ENTERED AT 09:35:53 ON 23 JUL 2003

FILE 'CAPLUS' ENTERED AT 09:35:53 ON 23 JUL 2003

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=> s l5

L6

2 L5

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7

2 DUP REM L6 (0 DUPLICATES REMOVED)

=> d ibib ab hitstr 1-

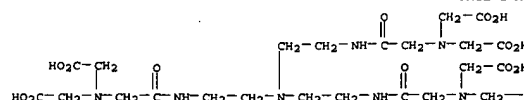
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L7 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2002:539559 CAPLUS
 DOCUMENT NUMBER: 137:114495
 TITLE: Polyodal chelants for metallopharmaceuticals
 INVENTOR(S): Liu, Shuang
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
 SOURCE: PCT Int. Appl., 94 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|---|----------|-----------------|------------|
| WO 2001-055112 | A2 | 20020718 | WO 2001-US50416 | 20011227 |
| W: | AE, AG, AL, AM, AT, AU, A2, BA, BB, BG, BR, BY, B2, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LC, LD, LG, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RU, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, VN, VU, ZA, ZW, AZ, BY, BG, KG, KM, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, KE, LS, MW, MT, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MK, NL, PT, SE, TR, BF, BJ, CP, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG | | | |
| US 2002049316 | A1 | 20020718 | US 2001-33769 | 20011227 |
| PRIORITY APPLN. INFO.: | | | US 2001-260618P | P 20010109 |
| OTHER SOURCE(S): | MARPAT 137:114495 | | | |
| AB | Polyoidal chelants are disclosed, as well as chelates of the chelates of the chelants with metal ions to form radiochemical and radioactive MRI and X-ray or CT imaging compds. and compns. Therapeutic and imaging methods of use are also disclosed. Several examples of synthetic procedures and radiochem. purity of 111in and 153Sm complexes of the polyoidal complexes are given. The chelants and complexes may be suitable as diagnostic and therapeutic agents such as for treating conditions assocd. with angiogenic neovasculation and heavy metal toxicity. They are also useful for targeting biomole. | | | |
| IT | 442850-23-RDP, indium-111 complexes 442850-24-ODP, indium-111 complexes RL: PRP (Proprietary); SPN (Synthetic preparation); THU (Therapeutic use) BIOL (Biological study); PREP (Preparation); USES (Uses) (polyoidal chelants for metallopharmaceuticals and radiochemopharmaceuticals) | | | |
| RN | 442850-23-9 CAPUS | | | |
| CN | 3,6,9,12,15-Pentaaquaheptadecanedioic acid, 9-[2-[[[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-5,13-dioxo- (9CI) (CA INDEX NAME) | | | |

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

PAGE 1-A

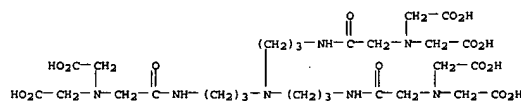


PAGE 1-B

—CO₂H

RN 442850-24-0 CAPLUS

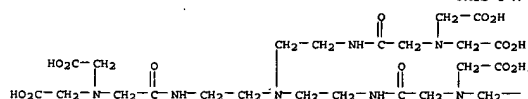
CN 3,6,10,14,17-Pentaezanonadecanedioic acid, 10-[3-
[[[bis(carboxymethyl)amino]acetyl]amino]propyl]-3,17-bis(carboxymethyl)-
5,15-dioxo- (9CI) (CA INDEX NAME)



| | | | |
|----|---|--------------|--------------|
| IT | 442850-09-1P | 442850-10-4P | 442850-15-9P |
| | RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Metallopharmaceutical); RACT (Reactant or reagent); USES (Uses) (polydopal chelants for metallopharmaceuticals and radiopharmaceuticals) | | |
| RN | 442850-09-1 | CAPLUS. | |
| CN | 3,6,9,12,15-Pentaazetetradecanedioic acid, 9-[2- [[[[(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)- 1,3-dioxepan-7-yl]hexadecylidene, 9CIN [XNFX NAME] | | |

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

PAGE 1-A



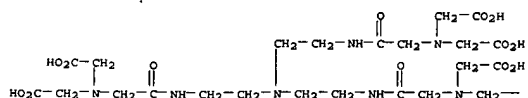
●₄ HCl

PAGE 1-B

$$-\text{CO}_2\text{H}$$

RN 442850-10-4 CAPLUS
CN 3,6,9,12,15-Pentaazaheptadecanedioic acid, 9-[2-
[[[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-
5,13-dioxo-, hexasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



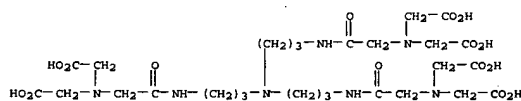
6 Na

PAGE 1-B

 $\text{—CO}_2\text{H}$

RN 442850-15-9 CAPLUS
CN 3,6,10,14,17-Pentaazanonadecanedioic acid, 10-[3-
[[[bis(carboxymethyl)amino]acetyl]amino]propyl]-3,17-bis(carboxymethyl)-

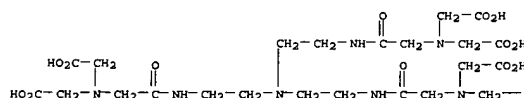
L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)
5,15-dioxo-, hexasodium salt (9CI) (CA INDEX NAME)



●₆ Na

| | |
|----|---|
| IT | 442850-23-BDP, lanthanum complexes 442850-23-ZDP, yttrium-90 complexes 442850-24-ODP, yttrium-90 complexes RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PRPP (Preparation); USES (Uses) (poly)pal clients for metallopharmaceuticals and radiopharmaceuticals) |
| RN | 442850-22-8 CAPLUS |
| CN | 3, 6, 9, 12, 15-Pentaazetetradecanedioic acid, 9-[[[[carboxymethyl]amino]methyl]amino]methyl]- 3, 15-bis[(carboxymethyl)- 12, 13-dioxapentadecyl]amino]methyl-9-yl] (CA, [INDEX NAME]) |

PAGE 1-A



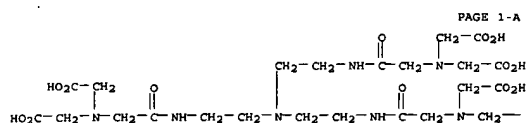
●₃ Na

PAGE 1-B

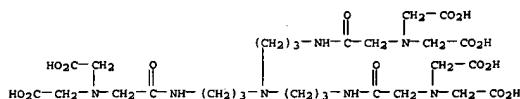
 $\text{—CO}_2\text{H}$

RN 442850-23-9 CAPLUS
CN 3,6,9,12,15-Pentaazaheptadecanedioic acid, 9-[2-
[[[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-
5,13-dioxo- (9CI) {CA INDEX NAME}

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN (Continued)

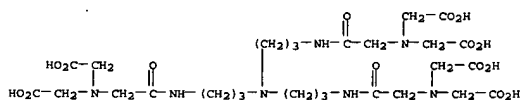
—CO₂H

RN 442850-24-0 CAPLUS
 CN 3,6,10,14,17-Pentaazanonadecanedioic acid, 10-[3-
 [[bis(carboxymethyl)amino]acetyl]amino]propyl]-3,17-bis(carboxymethyl)-
 5,15-dioxo- (9CI) (CA INDEX NAME)

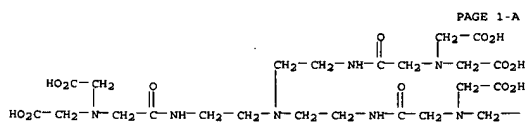


L7 ANSWER 2 OF 2 USPATFULL on STN (Continued)

RN 442850-24-0 USPATFULL
 CN 3,6,10,14,17-Pentaazanonadecanedioic acid, 10-[3-
 [[bis(carboxymethyl)amino]acetyl]amino]propyl]-3,17-bis(carboxymethyl)-
 5,15-dioxo- (9CI) (CA INDEX NAME)



IT 442850-09-1P 442850-10-4P 442850-15-9P
 (polypodal chelants for metallopharmaceuticals and
 radiopharmaceuticals)
 RN 442850-09-1 USPATFULL
 CN 3,6,9,12,15-Pentaazaheptadecanedioic acid, 9-[2-
 [[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-
 5,13-dioxo-, tetrahydrochloride (9CI) (CA INDEX NAME)



● 4 HCl

—CO₂H

RN 442850-10-4 USPATFULL
 CN 3,6,9,12,15-Pentaazaheptadecanedioic acid, 9-[2-
 [[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-
 5,13-dioxo-, hexasodium salt (9CI) (CA INDEX NAME)

L7 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:178530 USPATFULL
 TITLE: Polypodal chelants for metallopharmaceuticals
 INVENTOR(S): Liu, Shuang, Chelmsford, MA, UNITED STATES

| NUMBER | KIND | DATE |
|---------------|------|---------------|
| US 2002094316 | A1 | 20020718 |
| US 2001-33769 | A1 | 20011227 (10) |

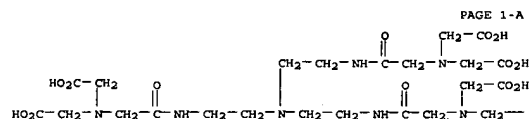
PATENT INFORMATION: US 2001-260618P 20010109 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: BRISTOL-MYERS SQUIBB PHARMA COMPANY, PATENT
 DEPARTMENT,
 P.O. BOX 4000, PRINCETON, NJ, 08543-4000

NUMBER OF CLAIMS: 110
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 2 Drawing Page(s)
 LINE COUNT: 2716
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

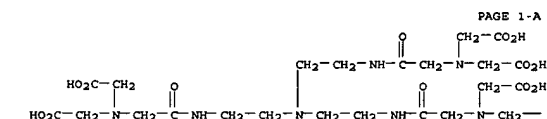
AB Polypodal chelants are disclosed, as well as chelates of the chelants with metal ions to form radiopharmaceutical and radioactive, MRI and X-ray or CT imaging compounds and compositions. Therapeutic and imaging methods of use are also disclosed.

IT 442850-23-9DP, indium-111 complexes 442850-24-ODP,
 indium-111 complexes
 (polypodal chelants for metallopharmaceuticals and
 radiopharmaceuticals)

RN 442850-23-9 USPATFULL
 CN 3,6,9,12,15-Pentaazaheptadecanedioic acid, 9-[2-
 [[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-
 5,13-dioxo- (9CI) (CA INDEX NAME)

—CO₂H

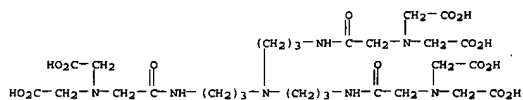
L7 ANSWER 2 OF 2 USPATFULL on STN (Continued)



● 6 Na

—CO₂H

RN 442850-15-9 USPATFULL
 CN 3,6,10,14,17-Pentaazanonadecanedioic acid, 10-[3-
 [[bis(carboxymethyl)amino]acetyl]amino]propyl]-3,17-bis(carboxymethyl)-
 5,15-dioxo-, hexasodium salt (9CI) (CA INDEX NAME)



● 6 Na

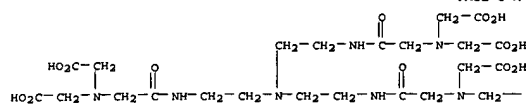
IT 442850-22-8DP, lanthanum complexes 442850-23-9DP,
 yttrium-90 complexes 442850-24-ODP, yttrium-90 complexes
 (polypodal chelants for metallopharmaceuticals and
 radiopharmaceuticals)

RN 442850-22-8 USPATFULL
 CN 3,6,9,12,15-Pentaazaheptadecanedioic acid, 9-[2-
 [[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-
 5,13-dioxo-, trisodium salt (9CI) (CA INDEX NAME)

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L7 ANSWER 2 OF 2 USPATFULL on STN (Continued)

PAGE 1-A



●₃ Na

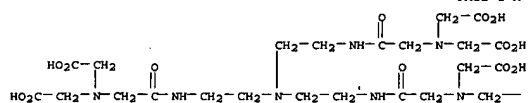
PAGE 1 - B

$$\text{---CO}_2\text{H}$$

RN 442850-23-9 USPATFULL

CN 3,6,9,12,15-Pentaazaheptadecanedioic acid, 9-[2-
[[[bis(carboxymethyl)amino]acetyl]amino]ethyl]-3,15-bis(carboxymethyl)-
5,13-dioxo- (9CI) (CA INDEX NAME)

PAGE 1-A



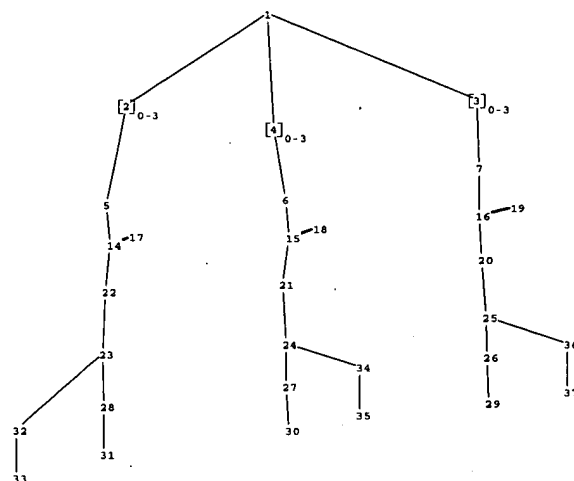
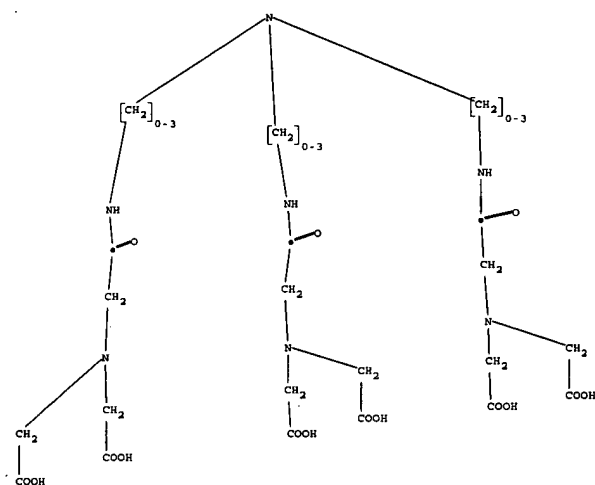
PAGE 1-B

$$-\text{CO}_2\text{H}$$

RN 442850-24-0 USPATFULL

CN 3,6,10,14,17-Pentaazanonadecanedioic acid, 10-[3-

[[[bis(carboxymethyl)amino]acetyl]amino]propyl]-3,17-bis(carboxymethyl)-



chain nodes :

1 2 3 4 5 6 7 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
32 33 34 35 36 37

chain bonds :

1-2 1-3 1-4 2-5 3-7 4-6 5-14 6-15 7-16 14-17 14-22 15-18 15-21 16-19 16-20
20-25 21-24 22-23 23-28 23-32 24-27 24-34 25-26 25-36 26-29 27-30 28-31 32-33
34-35 36-37

exact/norm bonds :

5-14 6-15 7-16 14-17 15-18 16-19

exact bonds :

1-2 1-3 1-4 2-5 3-7 4-6 14-22 15-21 16-20 20-25 21-24 22-23 23-28 23-32 24-27
24-34 25-26 25-36 26-29 27-30 28-31 32-33 34-35 36-37

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 14:CLASS 15:CLASS 16:CLASS
17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS
26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS
35:CLASS 36:CLASS 37:CLASS